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PRIORITY

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GL MISSION G-998 05 DEC 67

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-998, 1 DEC 67.

((NOTE: TEXT THAT FOLLOWS IDENTICAL WITH THAT OF MISSION CITED ABOVE))

S E C R E T

END OF MESSAGE

((NOTE: ABOVE MESSAGE ALSO PASSED [ ]

25X1

1

Declassification Review by NGA/DoD

7
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4 *
5 *

* w/text

SECRET

Group 1
Excluded from automatic downgrading and declassification

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1

OUT63745

GL MISSION G-998 05 DEC 67

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-998, 1 DEC 67. ~~THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMIREX TARGET NUMBER.~~

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS-- C @CLEAR¤, SC @SCATTERED CLOUD COVER¤, HC @HEAVY CLOUD COVER¤, H @HAZE¤, CS @CLOUD SHADOW¤, SD @SEMIDARKNESS¤, GC @GROUND COVER¤, CF @CAMOUFLAGE¤, O @OBLIQUITY¤, AND GR @GROUND RESOLUTION¤.

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G @GOOD¤, F @FAIR¤, OR P @POOR¤. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL¤ OR PT @PARTIAL¤. THE MODE OF COVERAGE IS SIGNIFIED BY ST @STEREO¤, NS @NONSTEREO¤, OR PS @PARTIAL STEREO¤.

AAA DEFENSES ARE DIVIDED INTO FOUR BASIC CATEGORIES -- LIGHT @21-75 MM¤, MEDIUM @76-100 MM¤, HEAVY @OVER 100 MM¤, AND AUTOMATIC WEAPONS @ZPU-1, ZPU-2, AND ZPU-4¤. IF THE CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED @EXAMPLE -- 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED¤.

MISSILES

HOLGUIN SAM SITE B27-2 CU 2052N 07627W
OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES¤, 6 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 VAN TRAILERS, 1 TRUCK-MOUNTED CRANE, 8 PROBABLE ZIL-157V, AND 3 OTHER VAN TRAILERS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

[redacted] 25X1

HOLGUIN AIRFIELD SAM SITE CU 2046N 07619W
OB -- 4 EMPLACED LAUNCHERS @3 WITH MISSILES¤, 10 MISSILE TRANSPORTERS @8 WITH EXPOSED MISSILES¤, AN OCCUPIED GUIDANCE AREA, A PROBABLE ACQUISTION RADAR, AND AT

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NO APPA Approved For Release 2008/02/27 : CIA-RDP78B03817A001000010009-4

25X1

HOLGUIN SAM SITE WEST CU 2051N 07627W
OB -- NONE OBSERVED.
CONSTRUCTION CONTINUES.

25X1

SANTA CLARA SAM SITE A34-2 CU 2229N 08000W
OB -- 6 EMPLACED LAUNCHERS @5 WITH MISSILES AND 1 WITH MISSILE BEING LOADED/UNLOADED¤, 11 MISSILE TRANSPORTERS, 13 TRACKED PRIME MOVERS, 2 VAN TRUCKS, 9 VEHICLES/PIECES OF EQUIPMENT, AN OCCUPIED CENTRAL GUIDANCE REVETMENT, AND AN OCCUPIED ACQUISITION RADAR REVETMENT.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTIAGO DE CUBA SAM SITE A23-2 CU 1959N 07550W
OB -- 6 EMPLACED LAUNCHERS, 12 MISSILE TRANSPORTERS @3 WITH EXPOSED MISSILES¤, 2 ADDITIONAL LAUNCHERS, A FAN SONG RADAR WITH SHED-COVERED EQUIPMENT, 13 AT-S TRACKED PRIME MOVERS, 4 ZIL-157V TRUCK TRACTORS, 14 CARGO TRUCKS, 1 PROBABLE TRUCK-MOUNTED CRANE, AND 3 ADDITIONAL VAN TRAILERS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTIAGO DE CUBA SAM ASSEMBLY AREA CU 2004N 07553W
OB -- 4 MISSILE TRANSPORTERS, 3 MISSILE CANISTER TRANSPORTERS, 4 FLATBED TRACTOR TRAILER TRUCKS, 4 ZIL-157V TRUCK TRACTORS, 2 CARGO TRUCKS, AND 3 UTILITY TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA SAM SITE 2 CU 1958N 07549W
OB -- NONE OBSERVED.
CONSTRUCTION CONTINUES.

25X1

PALMA SORIANO SAM SITE A02-2 CU 2015N 07559W
OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES¤, 14 MISSILE TRANSPORTERS @5 WITH EXPOSED MISSILES¤, A FAN SONG RADAR WITH ASSOCIATED SUPPORT EQUIPMENT, AN ACQUISITION RADAR AND GENERATOR VAN, AND 9 PROBABLE ZIL-157V.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

LA VEGUITA SAM ASSEMBLY AREA CU 2049N 07615W
OB -- 4 MISSILE TRANSPORTERS, 2 TRACKED PRIME MOVERS, 1 FLATBED TRUCK, 3 UTILITY TRUCKS, AND NUMEROUS MISSILE CANISTERS.

25X1

SAN PEDRO DE CACOCUM SAM SITE A06-2 CU 204[redacted] 07615W
OB -- Approved For Release 2008/02/27 : CIA-RDP78B03817A001000010009-4

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SONG R[illegible]
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FAC[illegible]ITIES.

25X1

SANTIAGO SAM TRAINING AREA CU 1958N 07551W
OB -- AT LEAST 25 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD CU 2229N 07956W
OB -- 22 FAGOT/FRESCO, 2 CRATE, AND 1 HOUND.

25X1

CAMAGUEY INTERNATIONAL AIRFIELD CU 2125N 07750W
OB -- 1 PROBABLE C-47, 13 COLT, AND 9 HOUND.
ACTIVITY -- 2 OCCUPIED 6-GUN AAA SITES.

25X1

HOLGUIN AIRFIELD CU 2047N 07618W
OB -- 4 FISHBED, 11 FAGOT/FRESCO, AND 1 HOUND.
GROUND RESOLUTION LIMITS INTERPRETATION.

25X1

LOS CANOS AIRFIELD - CU 2005N 07509W
OB -- NONE OBSERVED.

25X1

ANTONIO MACEO AIRFIELD CU 1958N 07550W
OB -- 1 ELECTRA, 1 MORAVA L-200, AND 4 HOUND.

25X1

NAVAL ACTIVITY/PORTS

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 2001N 07550W
OB -- NONE OBSERVED.
OTHER VESSELS -- 1 LARGE FREIGHTER AND 1 COASTAL FREIGHTER.

25X1

NUEVITAS PORT CU 2132N 07715W
VESSELS -- 3 LARGE FREIGHTERS AND 2 TANKERS.

25X1

LA ISABELA PORT FACILITIES CU 2256N 08000W
VESSELS -- 2 LARGE FREIGHTERS.

25X1

ELECTRONICS/COMMUNICATIONS

HOLGUIN AW RADAR FACILITY CU 2048N 07618W
OB -- NONE OBSERVED.

25X1

SANTIAGO DE CUBA AW RADAR FAC CU 1959N 07551W
OB -- NONE OBSERVED.

25X1

SAGUA LA GRANDE EW/GCI RADAR SITE 2 CU 2248N 08006W
OB -- NONE OBSERVED.

25X1

PAINSERA RDR SITE PUNTA DE MULAS CU 2101N 07535W
OB -- [illegible]

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SAN MIGUEL EW/GCI RADAR SITE CU 2229N 07953W
OB -- 1 TOKEN RADAR AND 2 PROBABLE ASSOCIATED VANS.

HOLGUIN AIRFIELD RADAR SITE SW CU 2045N 07621W
OB -- 1 TOKEN-CONFIGURATED RADAR, 1 VAN TRUCK, 2 CARGO TRUCKS, 4 VAN TRAILERS, AND 1 GENERATOR VAN.

MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP CU 2029N 07600W
OB -- AREA 1 -- 21 TANKS/SP GUNS, 22 FA PIECES, 42 CARGO TRUCKS, AND 3 UTILITY TRUCKS.
AREA 2 -- 15 PROBABLE FA PIECES AND 23 CARGO TRUCKS.
AREA 3 -- 17 FA PIECES AND 21 CARGO TRUCKS.
AREA 4 -- 8 TANKS/SP GUNS, 27 CARGO TRUCKS, AND 8 UTILITY TRUCKS.
AREA 5 -- 21 CARGO TRUCKS AND 5 OTHER VEHICLES/PIECES OF EQUIPMENT.
AREA 6 -- 20 CARGO TRUCKS.
AREA 7 -- 6 FA PIECES, 6 MORTARS, AND 14 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

DOS CAMINOS MILITARY CAMP CU 2014N 07547W
OB -- 3 FA PIECES, 4 AAA PIECES, 38 CARGO TRUCKS, AND 14 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

GUANTANAMO AREA CU 2018N 07525W
NO NEW MILITARY ACTIVITY OBSERVED.
AREAS 1, 2 -- 20 PERCENT USEABLE COVERAGE.
AREAS 3, 9 -- 90 PERCENT USEABLE COVERAGE.
AREAS 4, 5, 6, AND 7 -- 80 PERCENT USEABLE COVERAGE.
AREA 8 -- 95 PERCENT USEABLE COVERAGE.

HOLGUIN MILITARY CAMP EAST CU 2053N 07613W
OB -- MAIN CAMP -- 59 FA PIECES, 42 AAA PIECES, 15 MORTARS, 104 CARGO TRUCKS, 6 UTILITY TRUCKS, 8 CARGO TRAILERS, AND 7 UNIDENTIFIED VEHICLES.
CAMP 2.2 NM SE -- 1 CARGO TRUCK AND 12 SMALL CARGO TRAILERS OBSERVED IN CLOUD-FREE AREA.
NO APPARENT CHANGE IN FACILITIES.

HOLGUIN MILITARY CAMP NORTH CU 2057N 07616W
OB -- 5 PROBABLE AAA PIECES AND 22 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

REMEDIOS MILITARY CAMP NW CU 2227N 07935W
OB -- APPROXIMATELY 80 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

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25X1

SANTIAGO MILITARY CAMP COABITAS CU 2003N [redacted]W
OB -- 15 TANKS/SP GUNS, 6 TANK TRANSPORTERS, AND 20
CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO MILITARY CAMP LA QUINTA CU 2002N 07551W
OB -- 5 FA PIECES, 4 MORTARS, 35 CARGO TRUCKS, AND 1
VEHICLE/PIECE OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

MINAS MILITARY CAMP FUNDICION CU 2127N 07734W
OB -- 8 CANVAS-COVERED TANKS/SP GUNS AND 2 VAN TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

OFELIA MILITARY CAMP CU 2006N 07530W
OB -- 4 PROBABLE FA PIECES, 26 CARGO TRUCKS, AND 4
CARGO TRAILERS.
NO APPARENT CHANGE IN FACILITIES.

25X1

PUERTO PADRE MILITARY AREA CU 2111N 07639W
OB -- 12 TANKS/SP GUNS, 12 FA PIECES, 9 PROBABLE FA
PIECES, 37 CARGO TRUCKS, 7 PROBABLE CARGO TRAILERS, AND
14 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTA CLARA MILITARY CAMP SOUTH CU 2222N 07958W
OB -- 20 CARGO TRUCKS, 2 VAN TRUCKS, AND 10 OTHER
VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA MILITARY BKS NW CU 2003N 07554W
OB -- AT LEAST 20 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA MILITARY CAMP NW CU 2003N 07553W
OB -- 46 FA PIECES, 12 MORTARS, 105 CARGO TRUCKS, AND 2
TRACTOR TRAILER TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA MIL CAMP SAN JUAN HILL CU 2001N 07547W
OB -- 32 FA PIECES, 19 AAA PIECES, 25 CARGO TRUCKS, AND
3 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

JESUS MARIA PROBABLE MILITARY BARRACKS CU 2056N 07615W
OB -- NONE OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1

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SIBONEY LANDING BEACH CU 1957N 07556W
NO NEW MILITARY ACTIVITY OBSERVED.

[redacted] 25X1

MAR VERDE LANDING BEACH CU 1957N 07556W
NO NEW MILITARY ACTIVITY OBSERVED.

[redacted] 25X1

-OTHER ACTIVITY-

SANTIAGO MIL CAMP SW EARTH-COVERED BUNKER CU 1959N 07550W
NO ACTIVITY OR CHANGE OBSERVED. OBLIQUITY LIMITS
INTERPRETATION.

[redacted] 25X1

-STATUS OF OTHER TARGETS-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

CIFUENTES SAM ASSEMBLY AREA	2236N	08005W
SANTA CLARA AW RADAR FACILITY	2230N	07956W
PUNTA MAISI LOW SIEVE RADAR SITE	2014N	07409W
LA SOCAPA LOW SIEVE RADAR SITE	1958N	07552W
EL CRISTO MILITARY INSTALLATION	2010N	07547W
SANTA CLARA MILITARY CAMP SANTA EULOGIA	2223N	07957W
PLAYA YATERITAS LANDING BEACH	1958N	07457W
IMIAS LANDING BEACH	2005N	07440W
MOA @PUNTA GORDA¤ LANDING BEACH	2039N	07453W
MOA @CANANOVA¤ LANDING BEACH	2039N	07502W

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

RANCHUELO SAM SITE A33-2	2223N	08010W
SANTA ISABEL DE LAS LAJAS SAM SITE A35-2	2228N	08018W
LA ESPERANZA SAM ASSEMBLY AREA	2227N	08008W
CAIBARIEN PORT	2231N	07928W
CORRALILLO MILITARY AREA	2301N	08038W
SANTA CLARA ARTILLERY TRAINING AREA	2222N	08000W
NICARO LANDING BEACH	2042N	07533W

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